

INTERNATIONAL SEARCH REPORT

Internati _ .pplication No

PCT/GB 03/04036

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08G73/00 C08G73/02 A61K47/00 A61K47/06 A61K47/16
A61K47/18 A61K47/30 A61K9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08G A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	NÖDING, G.; HEITZ, W.: "Amphiphilic polyethyleneimines based on long-chain alkyl bromide" MACROMOLECULAR CHEMISTRY AND PHYSICS, vol. 199, 1998, pages 1637-1644, XP002268918 cited in the application the whole document	1-43
X	US 5 681 543 A (NEUMEIER REINHARD ET AL) 28 October 1997 (1997-10-28) column 1, line 20 - line 30 column 2, line 10 - column 4, line 22 column 7, line 43 - line 47 column 8, line 57 - column 10, line 67; claims 1-18; examples 1-28, 45-52 ----- -/-	1-57

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

4 February 2004

Date of mailing of the international search report

18/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Kiebooms, R

INTERNATIONAL SEARCH REPORT

Internat~~l~~ pplication No

PCT/GB 03/04036

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 338 532 A (HEDSTRAND DAVID M ET AL) 16 August 1994 (1994-08-16) column 1, line 19 - line 30 column 3, line 57 - column 4, line 68 column 6, line 61 - column 10, line 29 column 15, line 5 - column 16, line 58 column 34, line 60 - column 37, line 22 column 43, line 43 - column 46, line 26; claims 1-13,20-22,30-47,61 -----	1-57
X	WO 02/30468 A (BETZ ULRICH ; SIMON JOACHIM (DE); BAYER AG (DE); VOLLMER MARTIN (DE);) 18 April 2002 (2002-04-18) page 1, line 3 - line 6 page 2, line 22 - page 13, line 25 page 17, line 20 - page 21, line 14; claims 1-33; examples 1-4 -----	1-57
X	WO 99/43752 A (Dनावेक RESEARCH INC ; SAKAKIBARA HIROYUKI (JP); OKU NAOTO (JP); MIYAZA) 2 September 1999 (1999-09-02) page 1, line 4 - page 52, line 6; claims 1-25; figures 1-16 -----	1-57

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat

Application No

PCT/GB 03/04036

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5681543	A	28-10-1997	DE 3806795 A1 07-09-1989
			US 5681544 A 28-10-1997
			AT 130017 T 15-11-1995
			DE 58909479 D1 21-12-1995
			EP 0331616 A2 06-09-1989
			GR 3018071 T3 29-02-1996
			JP 2196864 A 03-08-1990
			JP 2685568 B2 03-12-1997
			NO 890832 A , B, 30-08-1989
US 5338532	A	16-08-1994	US 6312679 B1 06-11-2001
			US 5527524 A 18-06-1996
			WO 9524221 A1 14-09-1995
			US 5560929 A 01-10-1996
			US 5714166 A 03-02-1998
			US 6177414 B1 23-01-2001
			CA 1316456 C 20-04-1993
			CA 1316524 C 20-04-1993
			CA 1316364 C 20-04-1993
			AT 89743 T 15-06-1993
			AU 609051 B2 26-04-1991
			AU 7715987 A 03-03-1988
			AU 638153 B2 17-06-1993
			AU 8139191 A 03-10-1991
			BR 8707431 A 01-11-1988
			BR 8707432 A 01-11-1988
			BR 8707433 A 01-11-1988
			DE 3786000 D1 01-07-1993
			DE 3786000 T3 21-08-1997
			DK 205388 A 14-06-1988
			EP 0271180 A1 15-06-1988
			ES 2054678 T3 16-08-1994
			FI 881768 A 15-04-1988
			FI 981807 A 24-08-1998
			GR 3024215 T3 31-10-1997
			HK 54396 A 03-04-1996
			HU 220205 B 28-11-2001
			HU 55245 A2 28-05-1991
			IE 61356 B1 02-11-1994
			IL 83567 A 16-02-1992
			JP 2848218 B2 20-01-1999
			JP 6220190 A 09-08-1994
			JP 6219966 A 09-08-1994
			JP 7108860 B 22-11-1995
			JP 2771404 B2 02-07-1998
			JP 6009778 A 18-01-1994
			JP 7057735 B 21-06-1995
			JP 63502350 T 08-09-1988
			JP 7057736 B 21-06-1995
			JP 63501876 T 28-07-1988
			JP 7002840 B 18-01-1995
			JP 63501878 T 28-07-1988
			KR 9711151 B1 07-07-1997
			MX 169992 B 04-08-1993
			NO 881639 A , B, 15-06-1988
			NZ 221484 A 29-01-1991
			WO 8801178 A1 25-02-1988
			WO 8801179 A1 25-02-1988

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat. Application No

PCT/GB 03/04036

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5338532	A		WO 8801180 A1 ZA 8706114 A	25-02-1988 26-04-1989
WO 0230468	A	18-04-2002	DE 10145134 A1 AU 8994301 A CA 2424967 A1 WO 0230468 A1 EP 1326645 A1	16-05-2002 22-04-2002 04-04-2003 18-04-2002 16-07-2003
WO 9943752	A	02-09-1999	CA 2321200 A1 WO 9943752 A1	02-09-1999 02-09-1999